

- Electrical safety switch controlled by liquid or gaseous pressure for use in e.g. carpet cleaner - has annular magnet carried on membrane sensitive to fluid pressure and coupled to central magnet which displaces contacts.

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AN 1996-289450 [30] WPINDEX

DNN N1996-242931

DC P28 U24 V03 X13

IN BUFFET, J C; RAUT, L

PA (EAYT) EATON SA MONACO; (EAYT) EATON CORP

CYC 6

PI FR 2727787 A1 19960607 (199630)* 16p

EP 718861 A1 19960626 (199630) FR 8p

R: DE ES FR GB IT

US 5703552 A 19971230 (199807) 6p

EP 718861 B1 19990203 (199910) FR

R: DE ES FR GB IT

DE 69507682 E 19990318 (199917)

ADT FR 2727787 A1 FR 1994-14886 19941206; EP 718861 A1 EP 1995-420340

19951201; US 5703552 A US 1995-567448 19951205; EP 718861 B1 EP

1995-420340 19951201; DE 69507682 E DE 1995-607682 19951201, EP

1995-420340 19951201

FDT DE 69507682 E Based on EP 718861

PRAI FR 1994-14886 19941206

AN 1996-289450 [30] WPINDEX

AB FR 2727787 A UPAB: 19960731

The safety switch includes a body (10) having a channel (11) with a venturi region (28,29,30) for the flow of fluid in communication (23) with a chamber (22). The fluid acts on the membrane (24) within this chamber against the push of a return spring (26). The membrane is fixed around its edge between the body and the insulating casing (9) and supports an annular magnet (25).

The annular magnet surrounds a sealed and electrically isolated enclosure (19) which houses and guides the central magnet (20) which moves axially to displace a moving contact (18) relative to a fixed contact (18).

USE/ADVANTAGE - Protective switch for carpet cleaner. Discriminates between air and water flow when reservoir exhausted. Simpler, less costly manufacture.

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